



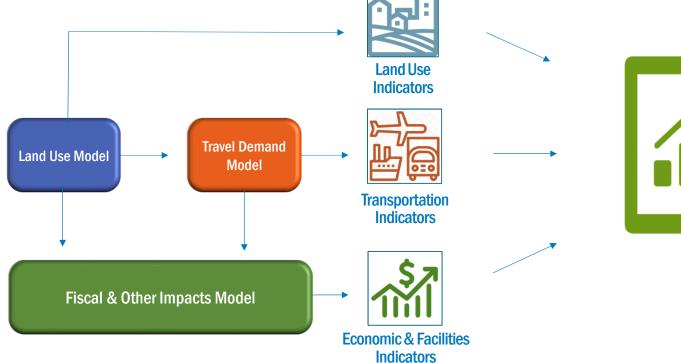
Planning Commission Working Group Meeting #4

Outline

- Modeling Overview
- Scenario Growth Patterns
- Scenario Results:
 - Fiscal/Facility Model Results
 - Travel Demand Model Results
 - Land Use Model Results
- Conclusions & Next Steps

Modeling Overview

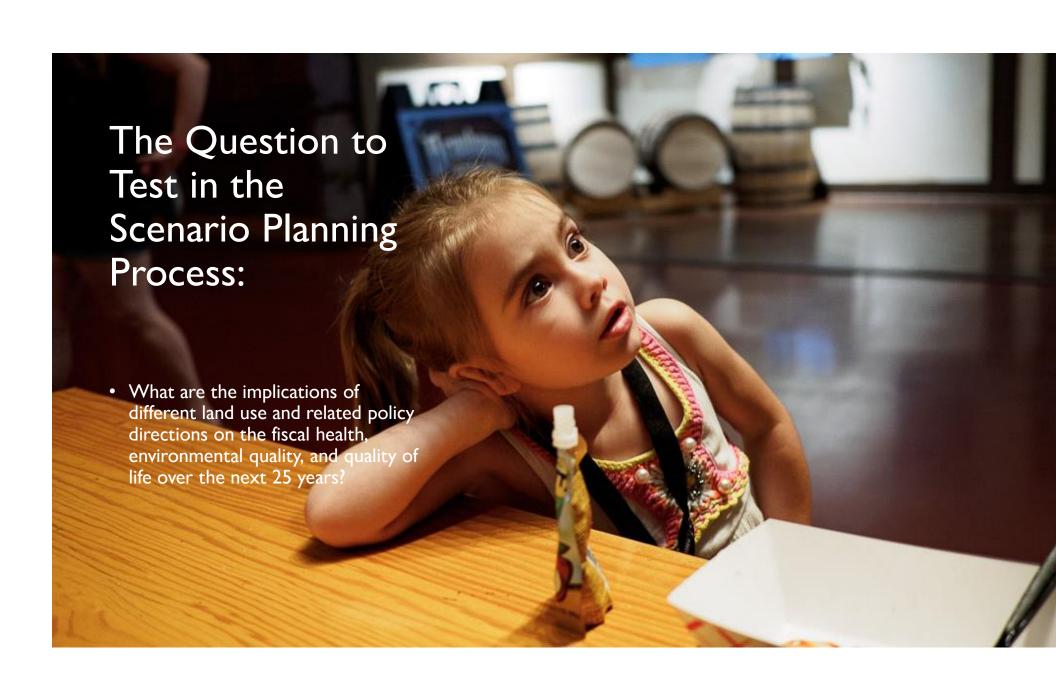
Modeling Overview





How will the results be used? **Preferred** Scenario goes into Leave **Behind Models Scenario Results** Refined **IMPLEMEN-**Refined Round of **TATION Future** Goals & Public-**Land Use Policies** Meetings Map Framework

Ensuring that we are working toward the future we want!



Possible Scenarios to Answer the Question:

- A. Test the <u>current</u> trends in land use and development
- B. Test an <u>alternative</u> land use policy framework based on Public Input

A. TREND: Continuation of present trends

B. ALTERNATIVE:

Change of direction that is guided by public input

Use a <u>common</u>
growth assumption
to see which one
best meets the
county's vision and
goals

Scenario Narratives

A. TREND SCENARIO

Current land use trends and development patterns continue, including dispersed single-family development and retail centers. Protection of rural areas is encouraged but some level of development outside the PSA continues.

Economy:	Predominantly service sector, tourism, and retail
Open and Rural Land:	Continued pattern of small scale residential subdivisions in rural lands
Residential:	Largely low-density, single-family residential, with a smaller proportion of townhouse or attached residential and few, if any, higherdensity and mixed use communities
Commercial:	A mix of small retail developments serving resident needs and larger, regional commercial retail or industrial developments
Mixed Use:	Limited new mixed use development
Redevelopment:	Little or no redevelopment – primarily new development on vacant land
Transportation:	Little additional bike/pedestrian and transit network and continued reliance on auto travel

B. ALTERNATIVE SCENARIO

Greater protection for rural lands, focused on rural and agricultural uses outside of the PSA. More focus on infill, redevelopment, and economic development at higher densities in the PSA but in concert with existing community character.

Economy:	Diversified employment opportunities including technology, office, and advanced manufacturing to balance existing service and tourism economies
Open and Rural Land:	High levels of rural and agricultural preservation outside of the existing PSA with primarily rural and agricultural uses in rural lands
Residential:	Directed into the PSA, with more medium and higher-density, and mixed-use residential development that makes walking, biking, and transit possible and provides more housing opportunities for all income levels
Commercial:	A wide range of mixed commercial uses provide for local shopping/service needs as well as diversified employment
Mixed Use:	Greater share of mixed-use development makes walking, biking, and transit possible
Redevelopment:	More redevelopment and infill within the existing PSA to reduce rural area development pressure
Transportation:	Relatively high options for bike/pedestrian and transit travel with improved multimodal infrastructure

SHARE your ideas
SHAPE our community

Control Totals Used in the Models

From County parcel records: —

	/ 1		
From the HRTPO	Regional	Model:	

YEAR	POPULATION	EMPLOYMENT
2018	76,778	30,696
2045	120,741	45,921

Notes:

 These numbers do not represent a goal or target for growth – they are just a standard increment of growth to allow scientific testing of alternative policies under possible future conditions

Modeling Overview

Land Use:

- Current conditions based on county datasets
- Future pop/emp based on HRPDC forecast for 2045
- Control totals for each
 Place Type based on
 scenario narratives were
 used to allocate people and
 jobs to parcels throughout
 the county

Transportation:

- Stand-alone county model derived from regional model
- Used HRTPO regional data for Trend Scenario
- Used Land Use model outputs for Alternative Scenarios

Fiscal/Other:

- Used 2020 budget year for current conditions
- Use Land Use model outputs for future conditions
- Divided County into subareas to analyze impacts
- Used constant Levels of Services across Scenarios to fairly compare outputs

Scenario Performance Indicators derived from Public Input Themes (partial list)

Nature

- Impacts of development on watersheds
- Proximity of developed land to areas of environmental protection
- Levels of automobile emissions
- Water use

Community Character

- Amount of rural land consumed by development
- Amount of development on sensitive lands or prime agricultural lands
- Proximity of development to cultural/historic resources
- Level of freight traffic on secondary streets

Affordable Housing

- Diversity of new housing types
- Housing near bus/walking networks
- Net new infill housing
- Distance to transit from new housing development

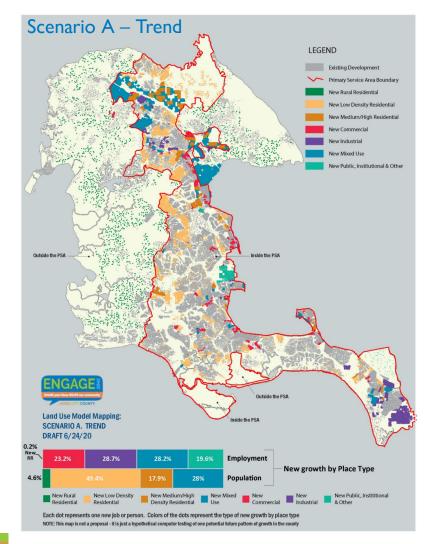
Economic Development

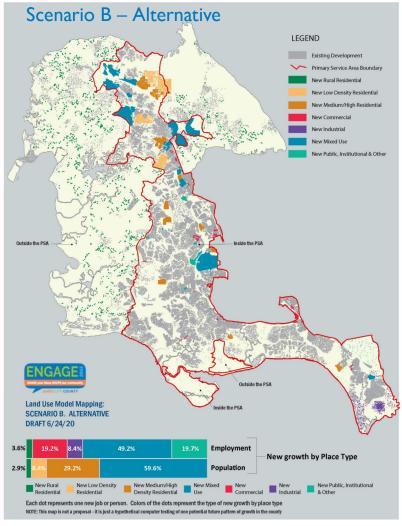
- Amount of jobs in mixed use place types
- Distance to existing employment areas
- Density of new employment areas
- Capital/Operating expenses compared to Revenues

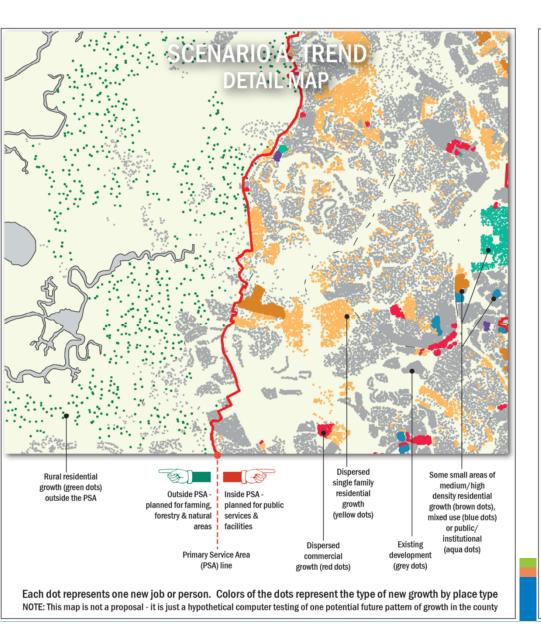
Quality of Life

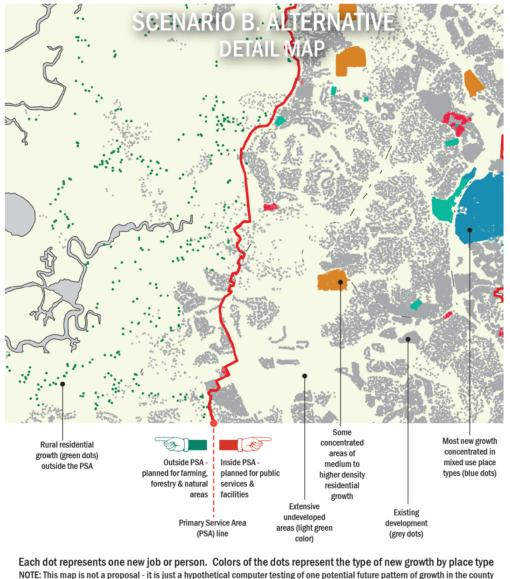
- Change in travel times and congestion on roadways
- Proximity of development to parks and transit
- Population within walking distance of schools

Scenario Growth Patterns









Fiscal Impact Model Summary

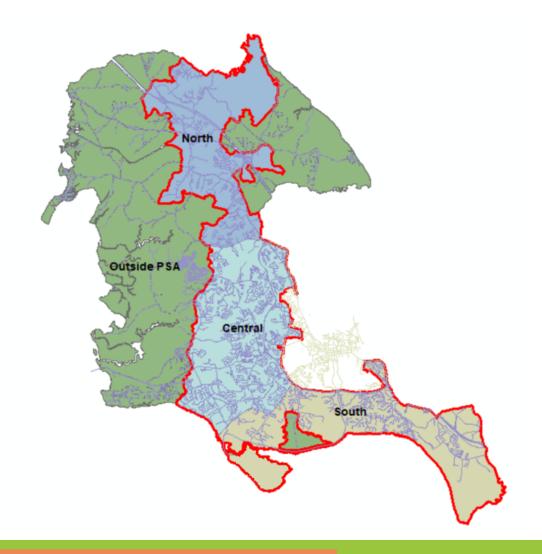
Key Assumptions and Approach

- Scenario control totals are used to test fiscal impacts between different land use patterns
- Comparisons between the scenarios are key, rather than absolute dollar amounts
- FY20 Adopted Budget is used to establish current levels of service
- Current dollars are used throughout (revenues and costs are not inflated)
- General Fund, Capital Projects, Other Funds, and WJCC Schools (operations and capital costs) are modeled; JCSA is not included in the results
- Total WJCC Schools revenues and costs are modeled (not just County-funded portion)
- Property values are modeled by geographic area (Fiscal Analysis Zones (FAZ))
- Police and Fire/EMS costs are projected using calls for service data (linked to land use)
- Some infrastructure is modeled by geographic area (Schools; Fire/EMS; Parks)
- Capital costs are assumed to be debt financed (principal and interest costs are included)
- Transportation capital costs are not yet included; pending results from simultaneous transportation modeling
- Results herein are typically shown as (a) cumulative (25-year aggregated totals) and (b) stabilized year (annual outputs in year 25 of the projection period)

Fiscal Analysis Zones (FAZ)

Four areas used:

- North
- Central
- South
- Outside the PSA



Scenario Control Totals by FAZ

Scenario 1: Virtua	l Future					Scenario 2: Alterna	ative Future				
Housing Units	North	Central	South	Outside	Total	Housing Units	North	Central	South	Outside	Total
SFD	4,728	3,203	1,218	924	10,073	SFD	2,139	472	75	612	3,299
SFA	2,522	365	187	545	3,620	SFA	4,086	1,639	148	12	5,885
MF	3,229	246	149	908	4,533	MF	6,164	3,332	183	2	9,680
Total	10,479	3,814	1,554	2,378	18,225	Total	12,389	5,443	406	626	18,864
Population	24,433	9,333	3,744	5,606	43,116	Population	28,333	12,113	943	1,729	43,117
Nonresidential Sq	. Ft.					Nonresidential Sq.	. Ft.				
Retail	1,596,680	1,050,978	686,582	336,296	3,670,537	Retail	1,963,779	1,682,355	476,045	77,611	4,199,790
Office	839,265	901,443	421,603	206,757	2,369,068	Office	1,262,264	1,298,580	205,270	51,006	2,817,120
Industrial	1,413,869	537,877	4,121,180	141,684	6,214,610	Industrial	485,053	428,302	1,751,560	356,548	3,021,463
Other	171,662	271,780	83,706	46,497	573,644	Other	254,016	349,172	58,301	88,917	750,406
Total	4.021.477	2.762.077	5.313.071	731.234	12.827.859	Total	3.965.112	3.758.409	2.491.176	574.082	10.788.780

Property Value Assumptions

	North FAZ	Central FAZ	South FAZ	Outside PSA FAZ
Residential (per Unit)				
Single Family Detached	\$330,000	\$430,000	\$520,000	\$620,000
Single Family Attached	\$200,000	\$260,000	\$270,000	\$290,000
Multifamily	\$115,000	\$115,000	\$115,000	\$115,000
Nonresidential (per Sq. Ft.)				
Retail	\$128	\$181	\$151	\$93
Office	\$103	\$154	\$151	\$93
Industrial	\$74	\$87	\$57	\$62
Other/Institutional (Tax Exempt)	\$0	\$0	\$0	\$0

Source: James City County Assessor database; residential units reflect construction within the past 10 years except for South FAZ, which reflects 20 years. For nonresidential, data reflect construction within past 20 years, except for Outside PSA FAZ, which reflects all properties.

Student Generation Rates

Enrollment from James City County (2019)

	<u>Elementary</u>	<u>Middle</u>	<u>High</u>	<u>Total</u>
SFD	3,769	1,998	2,959	8,726
SFA	527	253	320	1,100
MF	482	189	226	897
Total in Housing Units	4,778	2,440	3,505	10,723
Other	31	12	12	55
Grand Total	4,809	2,452	3,517	10,778

James City County Housing Units (2019)

SFD	24,168
SFA	5,799
MF	6,225
Total Housing Units	36,192

SGR	Elementary	<u>Middle</u>	<u>High</u>	<u>Total</u>
SFD	0.156	0.083	0.122	0.361
SFA	0.091	0.044	0.055	0.190
MF	0.077	0.030	0.036	0.144
Total Housing Units	0.132	0.067	0.097	0.296

Source: Enrollment data from James City County; housing units from JCC parcel data via EPR, Inc.

Scenario Summary

RFSI			

SINGLE FAMILY DETACHED SINGLE FAMILY ATTACHED MULTIFAMILY TOTAL UNITS

POPULATION ENROLLMENT FROM JCC

NONRESIDENTIAL:

RETAIL SF
OFFICE SF
INDUSTRIAL SF
INSTITUTTIONAL SF
TOTAL NONRES SF

JOBS

CUMUL RESID. PROPERTY VALUE
CUMUL NONRESID. PROPERTY VALUE
CUMULATIVE PROPERTY VALUE

Scenario 1: VIRTUAL FUTURE

[25-Year Net New Growth]

18,225
4,533
3,620
10,073

43,116 4,977

6,214,61 573,64	
6,214,61	0
2,369,06	8
3,670,53	7

15,513

	\$5,472,815,250
•	\$1,232,821,844
	\$6,705,637,094

Scenario 2: ALTERNATIVE FUTURE

[25-Year Net New Growth]

18,864
9,680
5,885
3,299

43,117
3,702

10,788,780
750,406
3,021,463
2,817,120
4,199,790

15,548

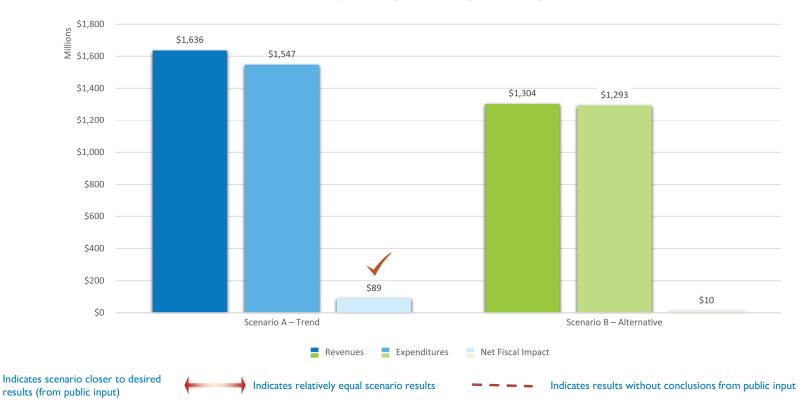
\$3,727,685,750
\$1,195,805,570
\$4,923,491,320

Fiscal Impact Model Performance Indicators

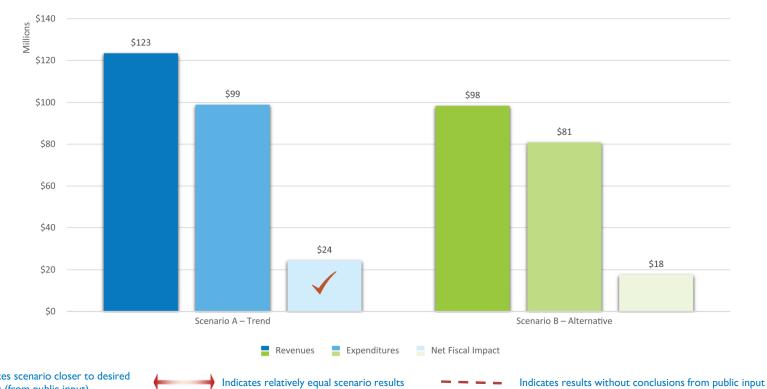
Economic Development:

- Cumulative (25-Year) Net Fiscal Impacts
- Stabilized Year Net Fiscal Impacts
- Annual Net Fiscal Impacts (All Funds)
- Revenues to Costs
- Annual Operating & Capital Expenditures Compared to Revenues
- Net New FTEs per 1,000 Persons

Cumulative (25-Year) Net Fiscal Impacts James City County Fiscal Impact Analysis



Stabilized Year Net Fiscal Impacts James City County Fiscal Impact Analysis



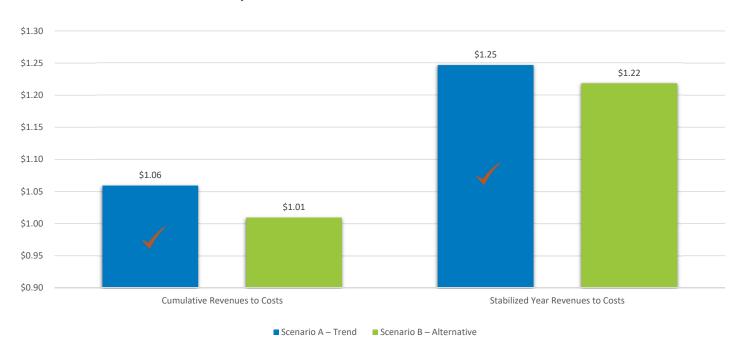


Indicates scenario closer to desired results (from public input)





Revenues to Costs Comparison – Cumulative return of revenue for each \$1.00 in costs

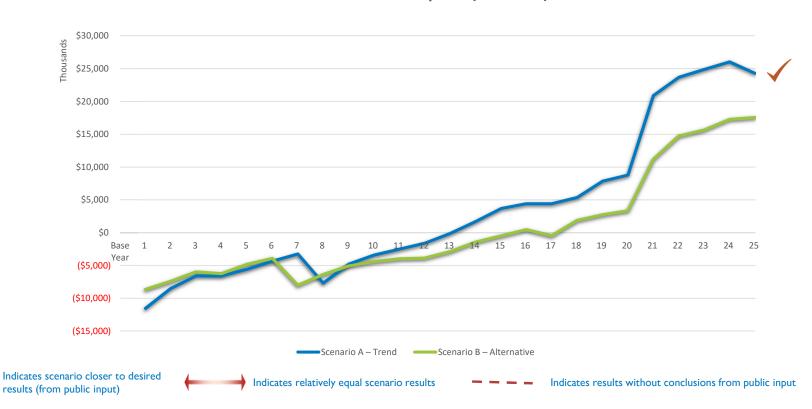


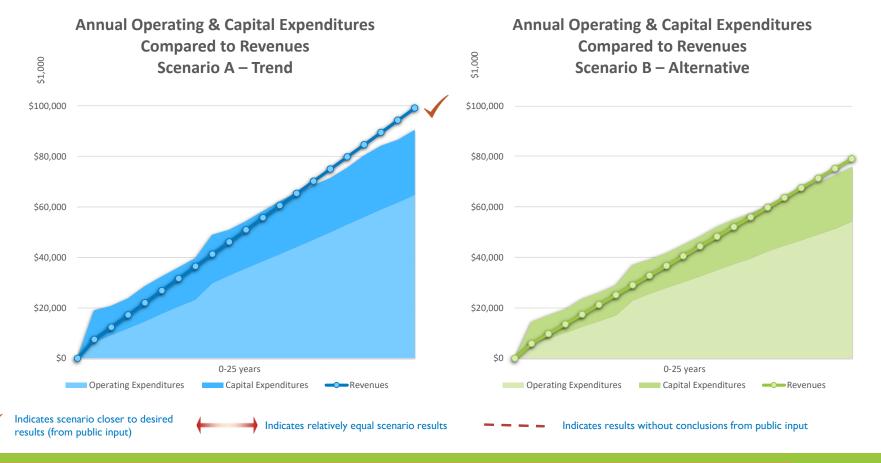




Indicates results without conclusions from public input

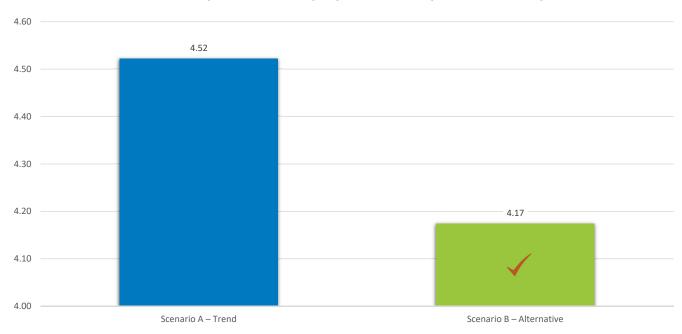
Annual Net Fiscal Impacts (All Funds)





Net New FTEs per 1,000 Population

Net New County Full Time Employees needed per 1,000 in Population







Indicates relatively equal scenario results

Indicates results without conclusions from public input

Findings

- Both scenarios generate sufficient revenue to cover expenditures
- Scenario A generates both higher revenues and costs due to the type and location of development
- Scenario B projects fewer students—and lower school costs—due to housing type distribution
- Scenario B exhibits cost savings in location-based facilities (schools and fire stations)
- Scenario B results in a need for fewer new County positions than Scenario A serving the same population

REVENUES AND EXPENDITURES DETAIL

Revenue Summaries

25-Year
 Cumulative Total

Cumulative Revenue Summary - Scenario Comparisons
James City County Fiscal Impact Model

SCENARIO					
		SCEN	ANIO		
	Scenario 1: VIRTUAL FUTURE	%	Scenario 2: ALTERNATIVE FUTURE	%	
Category					
GENERAL FUND REVENUES	\$1,353,311,976	83%	\$1,091,365,864	84%	
WJCC SCHOOLS REVENUES (NON-COUNTY TAXES)	\$277,341,757	17%	\$206,332,919	16%	
OTHER FUNDS REVENUES	\$5,798,661	0%	\$5,802,198	0%	
CAPITAL REVENUE	\$0	0%	\$0	0%	
TOTAL	\$1,636,452,395	100%	\$1,303,500,981	100%	

Stabilized Year (Annual) Stabilized Year Revenue Summary - Scenario Comparisons

	SCENARIO			
	Scenario 1: VIRTUAL FUTURE	%	Scenario 2: ALTERNATIVE FUTURE	%
Category				
GENERAL FUND REVENUES	\$101,602,833	82%	\$82,117,045	83%
WJCC SCHOOLS REVENUES (NON-COUNTY TAXES)	\$21,334,181	17%	\$15,871,963	16%
OTHER FUNDS REVENUES	\$446,051	0%	\$446,323	0%
CAPITAL REVENUE	\$0	0%	\$0	0%
TOTAL	\$123,383,065	100%	\$98,435,331	100%

Revenue Detail: 25-Year Cumulative Total

Cumulative Revenue Detail - Scenario Comparisons

		SCENARIO			
	Scenario 1: VIRTUAL FUTURE	%	Scenario 2: ALTERNATIVE FUTURE	%	
Category					
GENERAL FUND					
General Property Taxes	\$896,577,471	66%	\$638,770,745	59%	
Other Local Taxes	\$233,938,591	17%	\$239,857,778	22%	
Licenses, Permits & Fees	\$74,719,237	6%	\$67,421,526	6%	
Fines & Forfeitures	\$1,533,631	0%	\$1,533,653	0%	
Use of Money & Prop	\$0	0%	\$0	0%	
Commonwealth	\$93,070,916	7%	\$93,072,264	9%	
Federal Government	\$0	0%	\$0	0%	
Charges for Services	\$53,472,130	4%	\$50,709,897	5%	
Miscellaneous	\$0	0%	\$0	0%	
TOTAL GENERAL FUND	\$1,353,311,976	100%	\$1,091,365,864	100%	
SCHOOLS REVENUES (NON-COUNTY TAXES)	\$277,341,757		\$206,332,919		
OTHER FUNDS REVENUES	\$5,798,661		\$5,802,198		
GRAND TOTAL REVENUES	\$1,636,452,395		\$1,303,500,981		

Revenue Summary: Stabilized Year (Annual)

Stabilized Year Revenue Detail - Scenario Comparisons

		SCENARIO			
	Scenario 1: VIRTUAL FUTURE	%	Scenario 2: ALTERNATIVE FUTURE	%	
Category					
GENERAL FUND					
General Property Taxes	\$68,967,498	68%	\$49,136,211	60%	
Other Local Taxes	\$16,454,117	16%	\$17,319,030	21%	
Licenses, Permits & Fees	\$4,790,705	5%	\$4,483,664	5%	
Fines & Forfeitures	\$117,972	0%	\$117,973	0%	
Use of Money & Prop	\$0	0%	\$0	0%	
Commonwealth	\$7,159,301	7%	\$7,159,405	9%	
Federal Government	\$0	0%	\$0	0%	
Charges for Services	\$4,113,241	4%	\$3,900,761	5%	
Miscellaneous	\$0	0%	\$0	0%	
TOTAL GENERAL FUND	\$101,602,833	100%	\$82,117,045	100%	
SCHOOLS REVENUES (NON-COUNTY TAXES)	\$21,334,181		\$15,871,963		
OTHER FUNDS REVENUES	\$446,051		\$446,323		
GRAND TOTAL REVENUES	\$123,383,065		\$98,435,331		

Operating Expenditure Summaries

25-YearCumulativeTotal

Cumulative Expenditures Summary - Scenario Comparisons

James City County Fiscal Impact Model

		SCENARIO			
Category	Scenario 1: VIRTUAL FUTURE	%	Scenario 2: ALTERNATIVE FUTURE	%	
GENERAL FUND EXPENDITURES	\$338,740,219	22%	\$348,422,486	27%	
TOTAL WJCC SCHOOLS OPERATING EXPENDITURES	\$726,532,809	47%	\$541,679,986	42%	
OTHER FUNDS EXPENDITURES	\$25,952,902	2%	\$25,953,278	2%	
CAPITAL EXPENDITURES	\$456,117,502	29%	\$377,056,011	29%	
TOTAL	\$1,547,343,431	100%	\$1,293,111,760	100%	

Stabilized Year Expenditures Summary - Scenario Comparisons

James City County Fiscal Impact Model

Stabilized Year (Annual)

Tannes en y country risear impact moue.				
	SCENARIO			
Category	Scenario 1: VIRTUAL FUTURE	%	Scenario 2: ALTERNATIVE FUTURE	%
GENERAL FUND EXPENDITURES	\$25,794,512	26%	\$22,470,696	28%
TOTAL WJCC SCHOOLS OPERATING EXPENDITURES	\$55,887,139	56%	\$41,667,691	52%
OTHER FUNDS EXPENDITURES	\$1,996,377	2%	\$1,996,406	2%
CAPITAL EXPENDITURES	\$15,424,145	16%	\$14,750,084	18%
TOTAL	\$99,102,173	100%	\$80,884,877	100%

Operating Expenditures: 25-Year Cumulative Total

Cumulative Operating Expenditures Summary - Scenario Comparisons

	SCENARIO				
Category	Scenario 1: VIRTUAL FUTURE	%	Scenario 2: ALTERNATIVE FUTURE	%	
GENERAL FUND EXPENDITURES					
GENERAL ADMINSTRATION	\$3,415,588	1%	\$3,786,032	1%	
COURT SERVICES	\$5,195,903	1%	\$6,399,601	1%	
PUBLIC SAFETY	\$235,788,737	35%	\$234,460,155	39%	
FINANCIAL ADMINISTRATION	\$11,148,249	2%	\$11,964,204	2%	
INFO RESOURCES MANAGEMENT	\$4,124,513	1%	\$4,371,984	1%	
COMMUNITY DEVELOPMENT	\$7,592,622	1%	\$9,487,795	2%	
GENERAL SERVICES	\$21,198,248	3%	\$24,778,468	4%	
PARKS & RECREATION	\$15,946,753	2%	\$18,844,142	3%	
CONTRIBUTION TO SCHOOLS*	\$334,205,092	50%	\$249,172,793	42%	
OTHER CONTRIBUTIONS AND TRANSFERS TO OTHER FUNDS	\$34,329,607	5%	\$34,330,104	6%	
TOTAL GENERAL FUND	\$672,945,311	100%	\$597,595,279	100%	
TOTAL WJCC SCHOOLS OPERATING COSTS (all funding sources)	\$726,532,809		\$541,679,986		
OTHER FUNDS EXPENDITURES	\$25,952,902		\$25,953,278		
* Estimated County Contribution for WJCC Schools Operations (46%)					

Operating Expenditures: Stabilized Year (Annual)

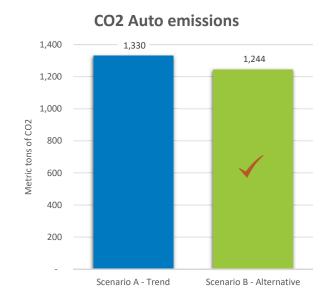
Stabilized Year Operating Expenditures Summary - Scenario Comparisons

	SCENARIO			
Category	Scenario 1: VIRTUAL FUTURE	%	Scenario 2: ALTERNATIVE FUTURE	%
GENERAL FUND EXPENDITURES				
GENERAL ADMINSTRATION	\$278,002	1%	\$275,760	19
COURT SERVICES	\$381,075	1%	\$393,210	19
PUBLIC SAFETY	\$16,663,857	32%	\$12,925,255	319
FINANCIAL ADMINISTRATION	\$1,150,149	2%	\$1,111,103	39
INFO RESOURCES MANAGEMENT	\$338,737	1%	\$312,410	19
COMMUNITY DEVELOPMENT	\$751,155	1%	\$888,697	29
GENERAL SERVICES	\$2,064,823	4%	\$2,251,325	59
PARKS & RECREATION	\$1,525,975	3%	\$1,672,158	49
CONTRIBUTION TO SCHOOLS*	\$25,708,084	50%	\$19,167,138	469
OTHER CONTRIBUTIONS AND TRANSFERS TO OTHER FUNDS	\$2,640,739	5%	\$2,640,777	69
TOTAL GENERAL FUND	\$51,502,596	100%	\$41,637,834	1009
TOTAL WJCC SCHOOLS OPERATING COSTS (all funding sources)	\$55,887,139		\$41,667,691	
OTHER FUNDS EXPENDITURES	\$1,996,377		\$1,996,406	

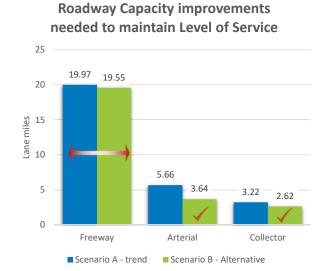
Travel Demand Model Summary

Nature & Environment

Travel Demand Model Performance Indicators



Amount of CO2 generated by the operation of vehicles



Additional roadway capacity needed to maintain Level of Service "C", by roadway type (with respect to the 2045 roadway network)

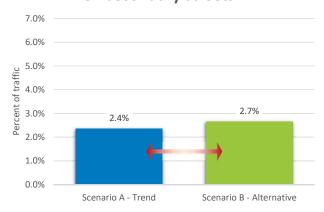




Community Character

Travel Demand Model Performance Indicators

Change in percent of freight traffic on secondary streets.



Presence of truck traffic relative to total traffic on minor arterials, collectors, and local roads

Change in average level-of-service by roadway type



Level-of-service expressed as the ratio of daily volume-to-daily capacity for roadways in James City County

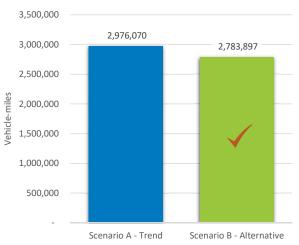




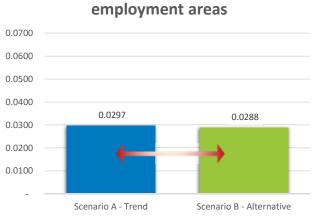
Indicates relatively equal scenario results

Travel Demand Model Performance Indicators

Vehicle Miles Traveled



Accessibility to high density employment areas



Accessibility to major tourist attractions



Combination of volume and distance traveled on roadways in James City County

Relative ability to travel to high density employment areas from within the region. Measured by a dimensionless index. Relative ability to travel to major tourist attractions from within the region. Measured by a dimensionless index.



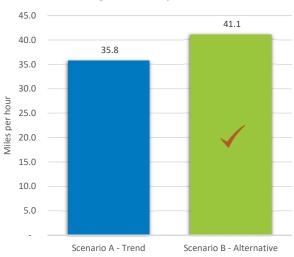


Indicates relatively equal scenario results



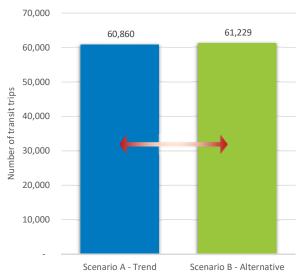
Travel Demand Model Performance Indicators

Average Speed of the transitserving roadway network



Speed of transit –serving network in miles per hour

Change in Transit Ridership.



Ridership within James City County

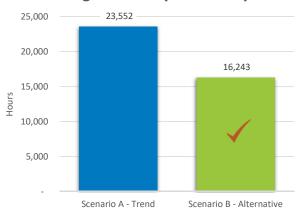




Indicates relatively equal scenario results

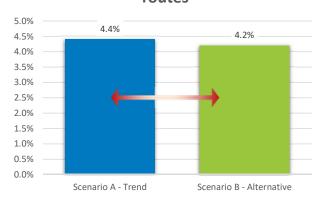
Travel Demand Model Performance Indicators

Change in countywide delay



The difference between congested and uncongested travel times

Reliability of identified priority routes



The predictability of travel times, expressed as the buffer time or additional time needed to ensure on-time arrival. Expressed as a percentage of the actual travel time. Priority routes defined as interstate/freeway and principal arterials.

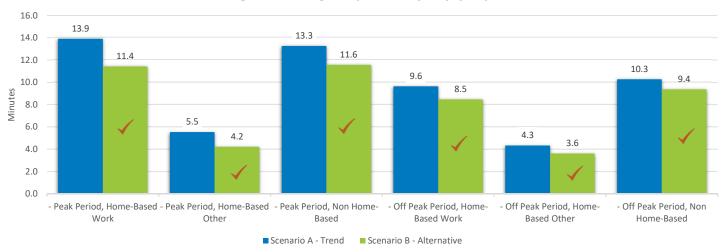




Indicates relatively equal scenario results

Travel Demand Model Performance Indicators

Change in average trip time by trip purpose

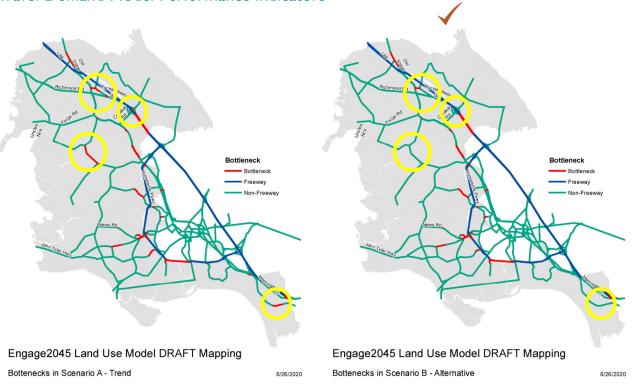


Trips internal to James City County.





Travel Demand Model Performance Indicators



Congestion hot-spots, such as lane reductions or locations in general where demand approaches or exceeds capacity. Priority routes defined as interstate/freeway and principal arterials. Note that these are for Average Daily Traffic. Hot spots could be considerably more extensive at peak period.





Indicates relatively equal scenario results



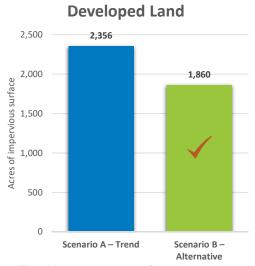
Findings

- Scenario B has lower Vehicle Miles Traveled and exhibits less congestion and shorter travel times as a whole over Scenario A
- Congestion bottlenecks are similar for both scenarios with respect to Average
 Daily Traffic. However, the results may be more significant in the Peak Period
- Accessibility to employment is relatively similar in both scenarios
- Transit ridership is similar in both scenarios but the transit-serving network performs better in Scenario B
- In general, the level of service and need for capacity improvements perform better in Scenario B

Land Use Model Summary

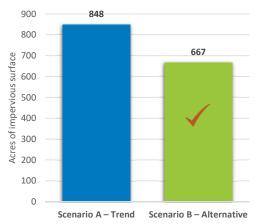
Nature & Environment

Land Use Model Performance Indicators



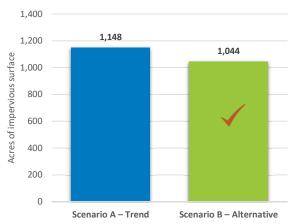
Total impervious surface area

Developed Land by proximity to prime ag lands



Total impervious surface area on parcels mostly covering prime ag soils

Developed Land by proximity to environmentally sensitive areas



Total impervious surface area on parcels with more than 10% no build features





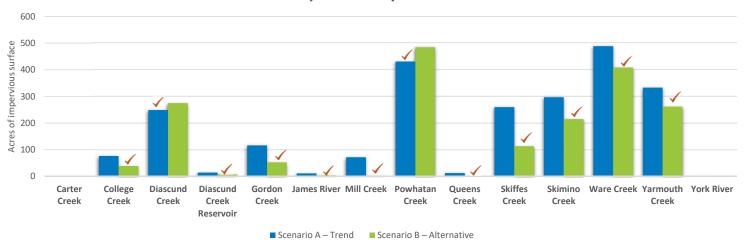
Indicates relatively equal scenario results



Nature & Environment

Land Use Model Performance Indicators

Developed Land by Watershed



Total impervious surface area by watershed





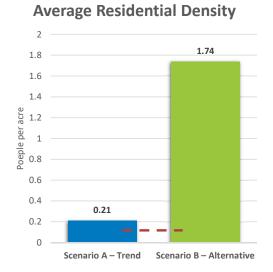


Community Character

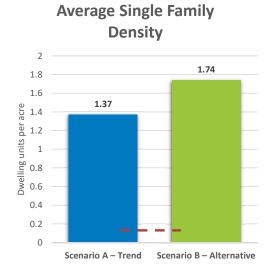
Land Use Model Performance Indicators

4.5 3.97 4 3.5 3 22 2.5 1 0.49 0.5 Scenario A – Trend Scenario B – Alternative

Total population on parcels/parcel area



Total dwelling units on parcels/parcels area



Total single family dwelling units on parcels/parcels area





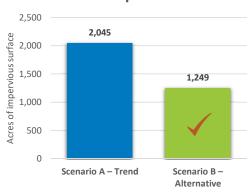
Indicates relatively equal scenario results



Community Character

Land Use Model Performance Indicators

Acres converted to development



Total impervious surface area on previously vacant land

Proximity of development to scenic or historic



Total number of parcels with employment or population growth in areas with structures Listed as National Historic Landmarks or Listed on, contributing to, or eligible for listing on the National Register of Historic Places/Virginia Landmarks Register per the Cultural Resource Preservation Index

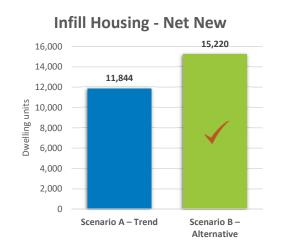


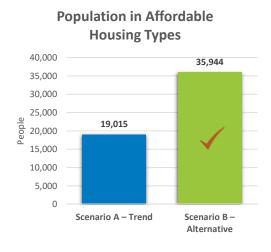


Indicates relatively equal scenario results

Affordable Housing

Land Use Model Performance Indicators







Housing near Bus or

Total dwelling units added to parcels considered developed

Total population in multifamily and single-family attached housing

Total dwelling units on parcels within 1/4 mile of at bus stops or sidewalks

Scenario A - Trend





Indicates relatively equal scenario results



Indicates results without conclusions from public input

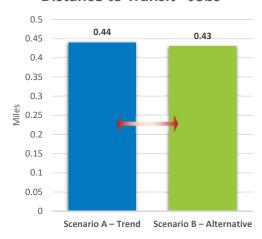
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Scenario B -

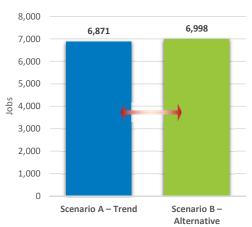
Alternative

Land Use Model Performance Indicators

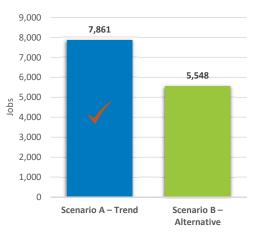
Distance to Transit - Jobs



Jobs near Transit



Jobs near Points of Interest



Average distance from parcels with jobs to nearest transit stops, weighted by job density in each parcel

Total jobs on parcels within ¼ mile of transit stops

Total jobs on parcels within 1/4 miles of points of interest

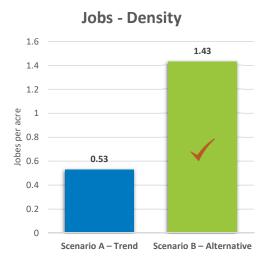




Indicates relatively equal scenario results

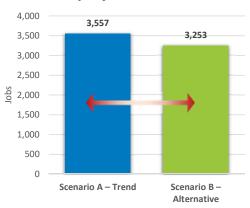


Land Use Model Performance Indicators



Total jobs on parcels/parcel area

Jobs near high density employment areas



Total jobs on parcels within walkable distance of existing employment centers

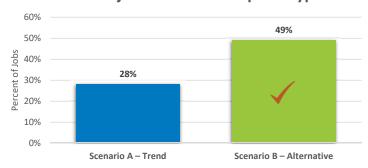




Indicates relatively equal scenario results

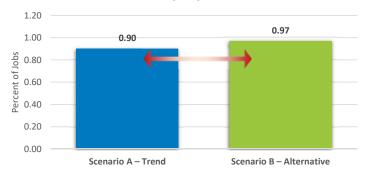
Land Use Model Performance Indicators

Percent of jobs in mixed use place types



Total jobs on parcels within defined Mixed-Use Commercial/Residential and Mixed-Use Industrial/Residential

Distance to Employment Centers



Average distance of parcels with jobs to existing employment centers



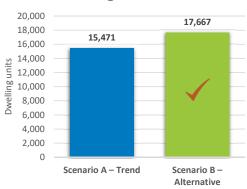


Indicates relatively equal scenario results

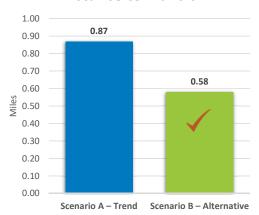


Land Use Model Performance Indicators

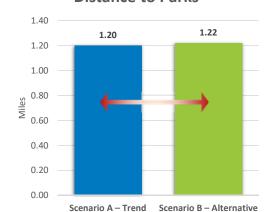
Housing near Bus or Walking Networks



Distance to Transit



Distance to Parks



Total dwelling units on parcels within 1/4 mile of at bus stops or sidewalks

Average distance from residential parcels to nearest transit stops, weighted by job density in each parcel

Average distance from residential parcels to nearest park



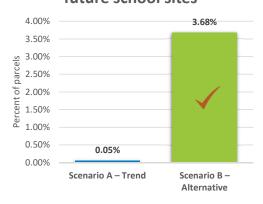


Indicates relatively equal scenario results

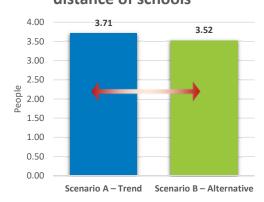


Land Use Model Performance Indicators

Potential for walk access to future school sites



Population within walking distance of schools



Percent of parcels with greater than 10 DUA

Avg distance from residential parcels to school facilities





Indicates relatively equal scenario results

Findings

- Scenario B exhibits denser population and employment development patterns and more mixed use than Scenario A
- The more compact development pattern of B also means that less acres of undeveloped land will be converted to development than in A, meaning greater protection from development for environmental and agricultural resources.
- Another result of the compactness of Scenario B is increased options for affordable housing
- The more compact pattern of Scenario B also means that not as many residents may be as close to <u>existing</u> amenities and points of interest. However, the compactness of B allows future amenities to be sited more efficiently

Summary Conclusions (from Planning Team)

- 1. Scenario B has more results that conform to the public input received in the Fall for a preferred vision/direction for the County
- 2. Scenario A has a higher value of revenues to costs in 25 years although both scenarios have a positive fiscal result
- 3. The growth in Scenario B is geared more toward higher density housing and mixed-use development than in Scenario A
- 4. Scenario B has generally better environmental protection, affordable housing feasibility and less traffic impacts than Scenario A
- 5. Both Scenarios have relatively equal access to existing facilities/amenities in the County. However, the more compact growth pattern of B may allow future facilities/amenities to be located more efficiently

What we need from you:

- Guidance/affirmation from the PCWG on the process specifically proceeding with the public Assembly on August 10th
- Affirmation of the MetroQuest survey and the Goals Survey
- Any other guidance on what questions we want to ask the public this summer

NEXT STEPS

July 15th & 27th:

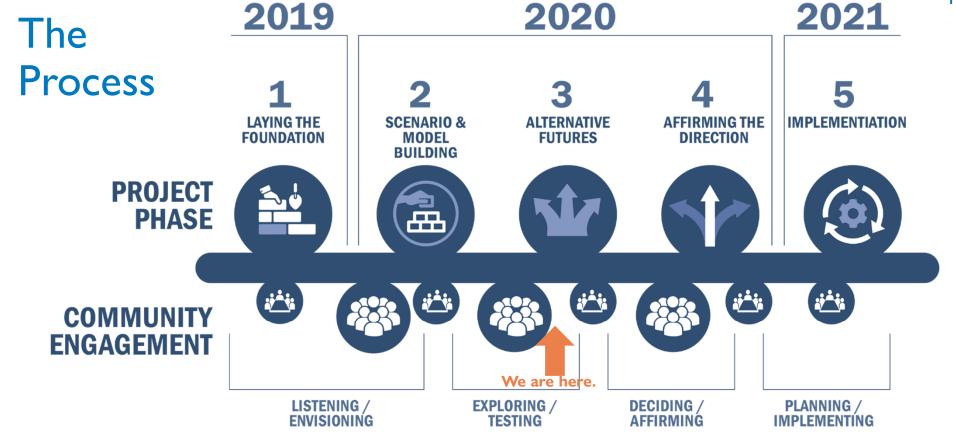
CPT meetings to review materials and "dry run" the Assembly

August 10th:

Assembly webinar to kick off public input Surveys run for 3 weeks to receive input

After August:

Affirm preferred Scenario and begin to draft Comp Plan Elements



Rounds of Public Meetings

Other Engagement Opportunities (Website Questionnaires, Board and Planning Commission Briefings, Outreach Meetings, etc.)